UCLEAR®

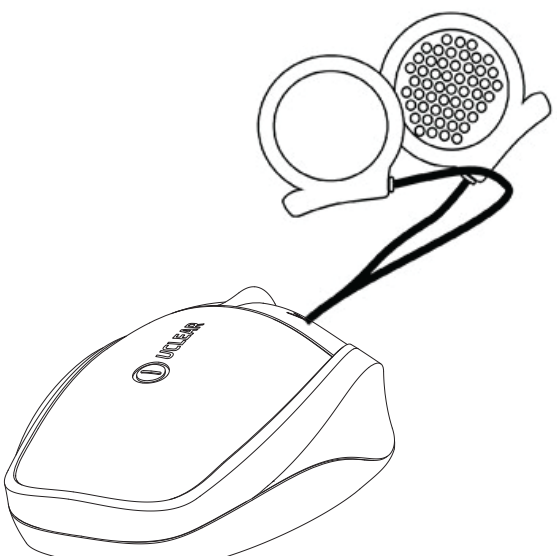
US-PUB#1G

HBC 200

UCLEAR®

Helmet Communicator

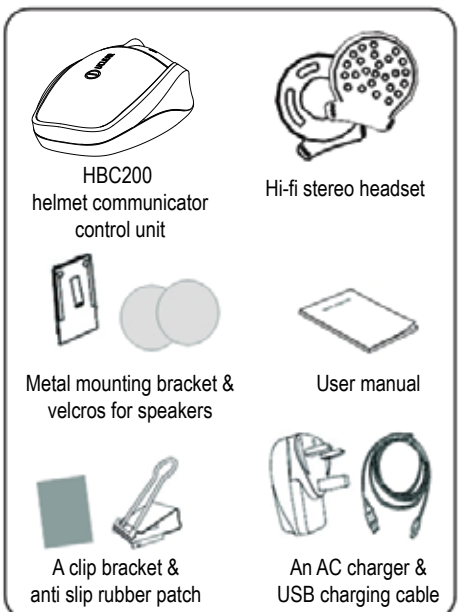
User Manual



Welcome to

UCLEAR®

HBC200
Helmet Communicator
User Manual



Notices

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This Class[B] digital apparatus complies with Canadian ICES-003.

Cet appareil s'accorde avec Industrie Canada licence-exempte RSS standard.
(1) cet appareil ne peut pas causer l'intervention, et (2) cet appareil doit accepter de l'intervention, y compris l'intervention qui peut causer l'opération non désirée de.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

Notices

TECHNICAL SUPPORT:
For additional information please visit our website at
www.uclear-digital.com

For customer and technical support in the US and Canada, please contact:

BITwave USA LLC
1093 E Iron Eagle Dr. #115
Eagle, ID 83616
1-855-BIT-WAVE

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FCC COMPLIANCE STATEMENT FCC ID:NMCHBC200 This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operations.
Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Any modifications to the equipment will void the manufacturer's warranty.

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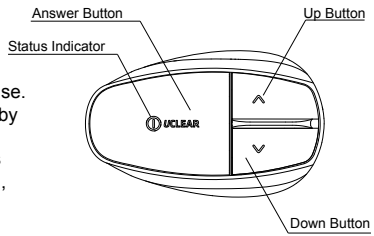
Quick User Guide

Your HBC200 at a glance

GENERAL FUNCTIONS

Before using your HBC200 **please charge it first!**

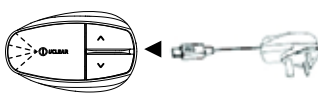


Charge

Check Bluetooth phone capabilities before use. To charge, use the provided charging cable by connecting it either to a USB port or to the adaptor provided. While charging, the status indicator light will be red. Upon fully charged, the status indicator light will be blue.

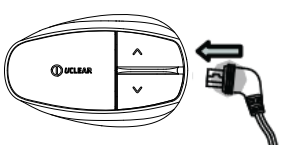
Low Battery Indicator

You need to charge the helmet communicator when the status indicator light blinks red twice every 2 seconds with a beep every minute.



Install Speakers

Make sure the speaker wire is inserted into the main unit. Insert the speaker wire into the control unit until you can no longer see the 3 ribs on the speaker wire plug.



Notices

PERSONAL SAFETY:

Do not open the seal of the hardware, tamper, repair or modify any parts. Do not touch the product with metal objects or parts or chemical products. Violation of the above will lead to potential fire hazards and mishaps. Please contact the technical support or your local supplier if your product malfunctions. Always comply with the local law and traffic regulations. Where use of the product is not permitted or allowed by any laws and regulations including the traffic laws of your country, we warn you not to go against such restrictions. You will bear the full responsibilities of any breaches of law and regulations. You should not allow the operations or use of the product or any attempts to use it by any persons including yourself to compromise anyone's safety including your own or to cause harm to any vehicles, property, objects, livestock, inventories, assets and the like under any circumstances. You or any users of the product are to take all necessary safety measures and precautions and to remain alert to all surrounding conditions. You are warned not to operate the product if you are not physically capable of doing so in a safe manner, if you have or will consume any alcohol or any mind-altering substance during its operation so that your alertness is compromised or if you have any medical conditions or needs that may compromise your abilities to do so in a safe manner. We warn you of the inherent, unforeseeable and unlimited risks and dangers in using the product while in traffic, including injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability due to any causes.This product is only for use by persons eighteen (18) years of age and above who have understood the warnings, risks and the terms of use. You confirm that you have read this release of liability and fully understand its terms and that you have given up substantial rights by using or attempting to use the product.

Notices

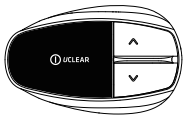
All risks from operating or usage of the product rest solely and entirely with the user of this product, the original purchaser or any third parties, who assumes full responsibility for all injuries, losses and/ or damages, whether caused in whole or in part by the negligence, omissions or other conduct of others, including that of BITwave, FSC and all their representatives, partners, agents, distributors, suppliers, resellers and all others in its supply and distribution chain either due to the designer's or manufacturer's negligence or omissions or any third parties involved.

CORRECT DISPOSAL OF THIS PRODUCT:
Do not dispose this product with other household wastes at the end of its working life. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their suppliers and refer to the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

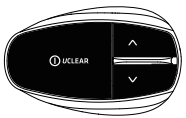
PRODUCT INFORMATION:
BITwave, FSC and all their representatives, agents, distributors, suppliers or resellers shall not be held responsible for any consequences arising from any errors or omissions in the guide or resulting directly or indirectly from the use of the information herein. BITwave and FSC reserve the right to amend or improve the product design or user guide without any restrictions and without any obligation to notify users. All information here is accurate as of the date of printing.

Please check for the latest version of any the modified or upgraded product on the website: www.uclear-digital.com from time to time.

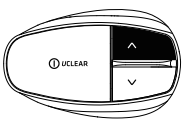
Quick User Guide



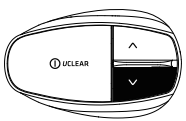
Power On
Hold Answer for 2 seconds.
Power Off
Hold Answer for 5 seconds.



Reset
Press all 3 buttons together.



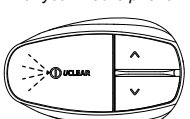
Volume Up
Press Up once.



Volume Down
Press Down once.

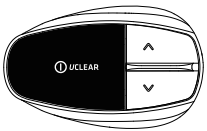
**NOTE: The volumes for mobile phone, music and intercom functions are controlled separately.*

MOBILE PHONE FUNCTIONS
Pairing your HBC200 with your mobile phone

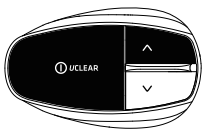


Pairing
>Check Bluetooth phone capabilities before use.
>Hold Up and Down buttons together for 2 seconds. The status indicator light will blink blue then red.
>From your mobile phone Bluetooth menu, search for *'UCLEAR HBC200'*.
>If your phone requires a password, enter '0000'.

Quick User Guide



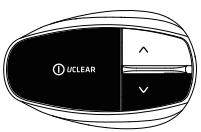
Answer Incoming Call
Use voice pickup, say 'hello' or 'pickup'.
OR
Manually press Answer button once.



Last Number Redial
Use voice pickup, say 'hello' or 'pickup'.

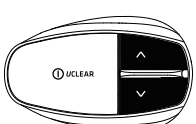
Reject/ End Incoming Call
Hold Answer button for 2 seconds.

3 Way Calling
To swap between 2 concurrent calls, press the Answer button once.

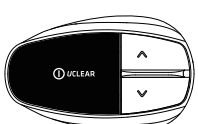


Voice Dial
Hold Answer and Down button for 2 seconds.

MUSIC STREAMING FUNCTIONS
**NOTE: For music Bluetooth adaptor you would need to pair the music Bluetooth adaptor before using it with HBC200.*



Pairing (for Music Bluetooth adaptor Only)
Hold Up and Down buttons together for 2 seconds.



Play/ Stop (Quick Mute)
Press the Answer button 2 times.

Notices

Warranty does not cover data recovery and physical deterioration due to use, damages resulting from accidents, storage, loss or data loss or damage during repairs or transits. The sender will bear all transportation charges for functioning products but which were declared defective.

LIMITATIONS OF WARRANTY:
All product warranties for the product by UCLEAR are limited to those mentioned in the product manual.

WAIVER AND DISCLAIMER:
BITwave, FSC and all their representatives, partners, agents, distributors, suppliers and resellers shall not be liable and will be held harmless from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from operating or using the product for any damages, losses, distress, pain, suffering, discomfort, loss and injuries including bodily harm illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability either to any persons, or any parties whether the user or other third parties or their possessions, or to any goods, vehicles, properties, assets among others including your own suffered by any persons, organizations, or any third parties whether physical or otherwise and which may accrue to you in the future, to the fullest extent permitted by law as a result of the use, operation, malfunctioning, misuse, disposal or repairs of the product or any other reasons, conditions or circumstances or attempts to do so whether due to negligence, omissions, or otherwise of BITwave, FSC or any of their representatives, partners, agents, .distributors, suppliers, resellers, designer, manufacturer or any others in its supply and distribution chain or any third parties involved.

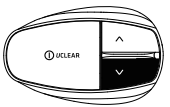
Notices

BATTERY WARNING:
The UCLEAR helmet communicator contains a rechargeable lithium ion polymer battery. To reduce risks of fire or burns, do not disassemble, crush, puncture, short external contacts or dispose in fire or water.

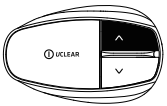
CHARGING NOTICE:
To reduce the risk of personal injury, electrical shock, fire or damage to equipments, please follow all the instructions below:
- Do not immerse the product, AC adaptor or speakers in water.
- Do not install, place or use the product near any source of heat for example: stove, radiator, oven, toaster, coffee maker or other apparatus that gives off heat.
- Always use the provided AC power adaptor and cable included in the package to charge the product. Use of any incorrect power supply to charge the product may cause permanent damage to the product and render the warranty void.

WARRANTY: (Applies only to customers outside of the USA and Canada. For customers in the USA and Canada, please refer to the warranty card.)
Without prejudice of legal warranty, the product is covered under a 1 year warranty by manufacturer from the date of purchase. Please provide the proof of purchase when you return the item to the supplier. The warranty covers manufacturing defects only. The warranty is voided by any unauthorized repairs, misuse, misapplication, tampering of the product, modifications, upgrading or results of any failures to follow the guidelines as set out in the product brochure or by any of the actions specified in this brochure or anywhere in our technical publishing released to the public from time to time which would have voided the warranty.

Quick User Guide

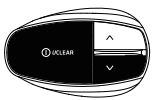


Backtrack
Press the Down button 2 times.

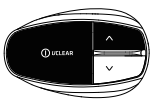


Fast Forward
Press the Up button 2 times.

INTERCOM FUNCTIONS
Pairing your HBC200 to another HBC200

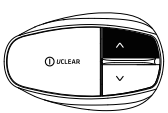


Helmet 1
(Master Unit)

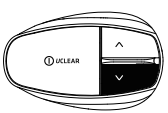


Helmet 2
(Secondary Unit)

Pairing (Needs to be done once)
The helmet communicator needs to be switched off before performing the following steps:
1. Press Answer and Down buttons for 3 seconds on helmet 1.
2. Press Answer and Up buttons for 3 seconds on helmet 2.



Initiate Conversation (Intercom Functions)
Hold the Up button for 2 seconds.



Terminate Conversation (Intercom Functions)
Hold the Down button for 2 seconds.

Warning and Safety Instructions

This manual uses the and icons to highlight certain instructions.
Below is an explanation of the icons.

Attention

> This icon highlights special instructions and precautions intended to avoid damage to the system. Non-compliance may void the product warranty.

Warning

> This icon provides precautions important to prevent injuries to the user.

Attention

> Please read through the operating instructions to understand how to operate the system, in particular the safety instructions.

Warning

> Please note that there are some countries that by law disallow the rider to set the UCLEAR helmet communicator to a volume that prevents you from perceiving the surrounding.

> Please note that in some countries the use of both speakers simultaneously is authorized only out of pubic traffic conditions.

> Please check with the relevant authorities for local safety legislation before using the UCLEAR helmet communicator on the road.

> Please learn how to use the buttons by looking into the mirror before using the UCLEAR helmet communicator on the road.

Troubleshooting Operational Tips

-During the group intercom session, if your phone causes problem to your HBC200, please disconnect your phone from the device.

Notices

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body is 1.52 W/kg.

Technical Data

Unit	
Dimensions (L x W X H)	75mm x 45mm x 26mm
Weight	36g
Audio	
Frequency response	30Hz to 20 kHz
Sampling rate	48kHz, 16 bit
SPL	105dB +/- 2dB
Bluetooth	
Specifications	Version 2.1 EDR, Class 1
Profiles	HSP, HFP, A2DP, AVRCP, Intercom
Radio	
Carrier frequency	2.402 - 2.480 GHz
Range	Up to 700m (open field)
RF output power	18dBm
Power	
Power consumption	200mW (max)
Power input (charging)	5V / 400mA / 2W
Built-in battery	3.7V, 570mAh, Lithium-ion Polymer (Rechargeable)
Music / talk time	Up to 10 hours
Standby time	400 hours
Profiles	HSP, HFP, A2DP, AVRCP, Intercom
Temperature	
Operation temperature	-10°C to +60°C (14°F to +140°F)
Charging temperature	0°C to +45°C (+32°F to +113°F)
Storage temperature	-40°C to +80°C (-38°F to +176°F)

Warnings and Safety Instructions

> Prolonged exposure to loud sounds may lead to permanent hearing damage.

> Do not attempt to place an outgoing call through the mobile phone while riding on the motorcycle at any point of time.

> Please do not use the UCLEAR helmet communicator in anyway that may distract you or hinder your judgment while on the move. Never ever compromise your safety and the safety of others.

Attention

> Charging and handling rechargeable battery products incorrectly may cause them to overheat, catch fire or explode. To prevent this please follow the instructions below:

i) Never change the batteries yourself, always bring the device to an authorised dealer to perform the replacement for you.

ii) When charging, use **ONLY** the charging cable provided or a replacement cable from the UCLEAR dealer. Using similar, compatible or any other cables may lead to permanent product damage and will void the product warranty.

> Never make any modifications to any part of the UCLEAR helmet communicator in any way as it may cause the system to malfunction causing hurt to you.

> Do not modify your helmet to use with this system - it is not necessary to do so.

Features

The UCLEAR helmet communicator has three main functions: to make mobile phone calls, to listen to music and for intercom communication.

Mobile Phone Functions

- Bluetooth phone audio capabilities, HFP & HSP Profile.
- Voice activated call pick up.

Music Streaming Functions

- Bluetooth music streaming with hi-fi and stereo capabilities, A2DP Profile.
- Bluetooth Audio/Video Remote Control capability, AVRCP profile.

Intercom Functions

- Motorcycle to motorcycle or rider to passenger connection via two UCLEAR helmet communicator up to 700m range.

Advanced Product Features

- Self adaptive intelligent noise cancellation algorithms ensure conversations on the go are clear even in noisy environments.
- Voice controlled incoming call answering.
- The weather resistant engineered design ensures the possibility of communication rain or shine.
- The integrated microphone array technology allows you to communicate without the hassle of using boom microphones.

Status Indicator Configurations Summary

The table below shows the status indicator configurations.

	State	Status Indicator
1	Off (No Power)	-
2	On (BT* not connected)	Blink blue fast
3	On (BT* connected)	Blink blue slowly
4	Phone & Music device Pairing mode	Blink blue & red alternately
5	Call in progress	Blink blue very slowly
6	In-coming call	Blink blue & red alternately
7	Battery low	Blink red every 2 seconds
8	Power down	Blink red 5 times
9	Intercom connected	Blink blue twice every 2 seconds
10	Intercom Pairing mode (master unit)	Blink purple fast
11	Intercom Pairing mode (secondary unit)	Blink purple slowly
12	Battery charging	Solid Red
13	Battery fully charged	Solid Blue
14	Battery faulty	Solid purple

* BT - Bluetooth

Button Configurations Summary

The table below shows the status indicator configurations.

Action	Button
Common Instruction Commands	
Power on	Hold Answer for 2 seconds
Power off	Hold Answer for 5 seconds
Activate Bluetooth Pairing	Hold Up & Down for 2 seconds
Volume up	Press Up once
Volume down	Press Down once
Reset	Press Answer, Up & Down once
Voice Calling	
Pick up incoming call	Press Answer once
End call in progress	Hold Answer for 2 seconds
Reject incoming call	Hold Answer for 2 seconds
Voice dial	Hold Answer & Down for 2 seconds
Last number redial	Hold Answer & Up for 2 seconds
Music Streaming	
Play	Press Answer 2 times
Stop	Press Answer 2 times
Fast forward track	Press Up button 2 times
Backtrack	Press Down button 2 times
Intercomm	
Pairing as helmet 1 (First Unit)	While unit is off, hold Answer and Down for 3 seconds
Pairing as helmet 1 (All subsequent units)	While unit is off, hold Answer and Up for 3 seconds
Connect intercom	Hold Up for 2 seconds
Disconnect intercom	Hold Down for 2 seconds

Installation

The UCLEAR HBC200 helmet communicator package contains :

1. A UCLEAR HBC200 helmet communicator control unit

2. A pair of hi-fi stereo headset with embedded microphones

3. Velcros for speakers

4. A clip bracket and anti-slip rubber patch

5. A metal mounting bracket with double sided tape

6. An AC Charger and USB charging cable

7. User manual

Installation

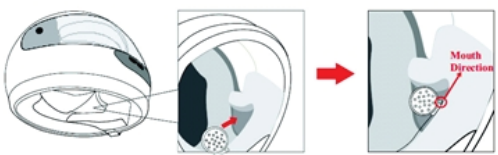
Install Speakers

1. Use the velcros to install the speakers into the ear cavity of the helmet.

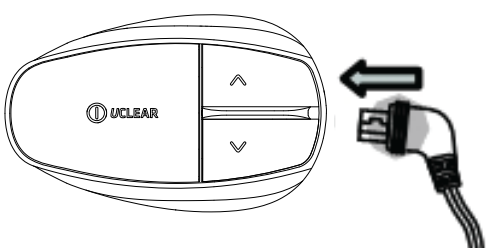
2. The microphones MUST be placed facing out.

3. Left and right speakers must be installed symmetrically.

Microphone



4. Make sure the speaker wire is inserted into the main unit. Insert the speaker wire into the control unit until you can no longer see the 3 ribs on the speaker wire plug.



GPS Device

To use a GPS device with the UClear HBC200, the two must first be paired.

Pairing the HBC200 to a GPS Device

•Turn on the HBC200 helment communicator and GPS device

•To connect the helmet communicator to a GPS device, hold the Up and Down buttons for 2 seconds. This puts the helmet communicator into paring mode. The status indicator would blink blue and red alternately.

•Next, turn on the GPS device Bluetooth functions and search for Bluetooth audio devices. Select ‘UCLEAR HBC200’ to pair with the desired device.

•If your GPS device prompts for a passcode, enter ‘0000’.

•Your GPS device will confirm that pairing has succeeded.

*Note: To make calls through the HBC200, you may need to pair your mobile phone to the GPS device by following the instructions of the GPS device.

Intercom Operations

Intercom, Phone Call and Music Switching

All the intercom units can be connected to phone during operation.

Phone call has the highest priority. If you are currently in intercom mode, incoming call will interrupt the intercom and after the phone call, intercom will be resumed immediately. If you are currently having a phone call, incoming intercom request will be rejected.

Music has the lowest priority. If you are in music mode, incoming intercom request will stop the music and you will be connected to intercom. If you need to switch from intercom to music mode, you need to disconnect from the intercom by hold the Down button for 2 seconds, music will resume automatically after that.

Other Functions

Firmware Upgrade

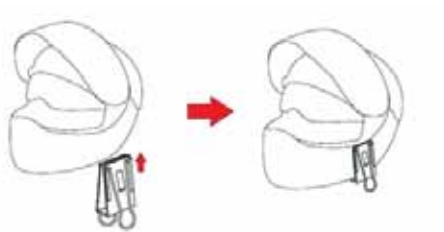
•Please check out www.uclear-digital.com for new firmware update

Installation

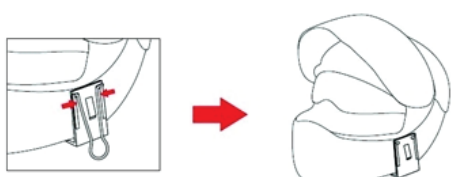
Your UCLEAR HBC200 helmet communicator package comes with 2 types of mounting brackets: a clip bracket and a metal mounting bracket. Use either of the brackets to install the HBC200 control unit onto your helmet.

Install Clip Bracket

1. Position and fasten the clip bracket onto the helmet.



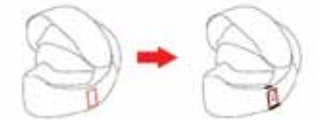
2. When in the correct position, the clip bracket should be firmly secured onto the helmet.
3. Use additional anti slip rubber patch provided if required.
4. Remove the metal handles after clip bracket has been installed.



Installation

Install Metal Mounting Bracket

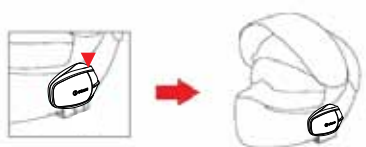
1. Identify a position on the helmet to adhere the Metal Mounting Bracket.



2. Peel off the double sided tape protective film.
3. Carefully place the Metal Mounting Bracket onto the position identified in step 1. (You may only do this step once)
4. Apply slight pressure onto the metal mounting bracket to ensure that the metal mounting bracket is firmly secured.
5. Make sure that permanent metal mounting clip is installed with the 2 side holes at the top and the metal prong pointing down.

Install Main Unit

1. Identify a position on the helmet to adhere the Metal Mounting Bracket.



2. Slide main unit onto the clip bracket. You should hear a ‘click’ sound when fully inserted.
3. Fully insert the speaker USB connector.

Intercom Operations

Private Conversation Mode

During group intercom, you can have private conversation with the user who has performed a 2-party intercom pairing with you.

For example, to setup private conversation with your passenger

1.Perform a 2-party pairing with your passenger first.
2.Perform a group intercom pairing with all other users. During the pairing process, please ensure your device and the passenger’s device are paired in consecutive order.

If group intercom is currently active

To start private conversation

•Press the Answer button once
•Both parties will hear a beep tone and you are in private conversation mode

To end private conversation

•Both party stop talking for 5 seconds.
•You will hear a double beep tone when the system exits private conversation mode

If group intercom is currently not connected and inactive

To connect

•Hold Answer button for 2 seconds
(Note: pressing Up button 2 seconds will trigger auto-chain reaction, all group members will be connected)

To disconnect

•Hold down button for 2 seconds

Intercom Operations

Large Group Intercom (Three-parties or more)

You can daisy-chain multiple HBC200 units to form bigger group intercom. A chain of 10 or more parties is achievable.To setup group intercom, you must first pair all the HBC200 units. Pairing process needs to be carried out only once.

Helmet 1 (1st device)
Hold Answer and Down Button

Helmet 2 (2nd device)
Hold Answer and Up Button

Helmet 3 (3rd device)
Hold Answer and Up Button

Helmet 4 (4th device)
Hold Answer and Up Button

Pairing

1.Power off all the HBC200 communicators first.
2.Pick one unit as the 1st device, hold Answer and Down button for 3 seconds. The status indicator would blink purple.
3.For the 2nd device, hold Answer and Up buttons for 3 seconds. The status indicator would blink purple. Wait until the 1st device status indicator turns blue, then proceed to pair the next device.
4.Hold 5 seconds Answer and Up buttons on the 3rd device, status indicator will blink purple. Wait for the 2nd device status indicator to turn blue, then proceed to pair the next device.
5.Repeat step 4 for all other units until all the devices are paired.
6.The last device will remain blinking purple. You can press any button on the device to end the pairing process, the status indicator should turn blue.

It is recommended that after the pairing process is successful, restart all the helmet communicators.

Start Intercom

•To start/connect the intercom, hold the Up button for 2 seconds.
•All the devices will be chained up automatically, in the sequence same as the pairing process.

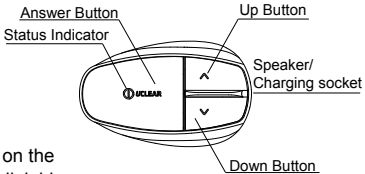
Stop Intercom

•To stop the intercom, hold the Down button for 2 seconds.
All the devices in the chain will be disconnected automatically.

General Operations

Your UCLEAR HBC200 helmet communicator is now all set and ready to go!

The operations described here are applicable to all modes of operations.



Power On

• Hold the Answer button for 2 seconds to power on the helmet communicator. The status indicator will blink blue and a power up tone can be heard.

Power Off

• To switch off the helmet communicator, press and hold the Answer button for 5 seconds. The status indicator will blink red 5 times followed by a long beep before fully shutting down.

Power Save Mode (Auto Power Off)

• If the intercom feature has been in use, and all Bluetooth devices have been disconnected, the system will auto shutdown in 2 hour. If the intercom feature has not been in use and the HBC200 is not connected to any other devices, the system will auto shutdown in 10 minutes.

Low battery

• When the battery level is low, the status indicator light will flash red twice every 2 seconds while emitting a warning beep every minute.

General Operations

Charging the Unit

- To charge the helmet communicator, connect the provided charging cable to the speaker/ charging socket. Upon charging, if the unit is on, the system will automatically initiate power down.

Volume Control

- The volume control of the helmet communicator can be controlled using the Up and Down buttons. Pressing the Up or Down button will increase the volume respectively. The volume control for each mode is independent of each other.

Automatic Speaker Loudness (Communication only)

- The speaker loudness will be automatically adjusted depending on the environment noise level. However you can still adjust the volume manually.

Automatic Pairing

- The helmet communicator has the ability to connect to the last paired device automatically for two features
  - music and mobile phone.
- Automatic pairing of the helmet communicator with music devices is dependent on the music devices.

Automatic Profile Switch

- The helmet communicator supports multiple profiles concurrently, but at any point of time only one profile is active. The automatic profile switch determines which profile should be active at any point of time starting from the highest priority: (1) Mobile Phone functions (2) Intercom functions and (3) Music functions.
- The helmet communicator can be paired to more than 1 device.

Intercom Operations

Two-Party Intercom

To use the intercom for the first time, you must pair your communictor to another HBC200 unit.

Pairing process needs to be carried out only once.

Pairing

- With both helmet communicators powered off, hold for 3 seconds Answer and Down buttons on one helmet and Answer and Up buttons on the other. The indicators of both helmets would blink purple.
- When one of the communicator's status indicator turns blue, the pairing process is successful.
- However, the other communicator will still blink purple, press the answer button once to end the pairing.

It is recommended to restart the devices after the pairing process.

Start Intercom

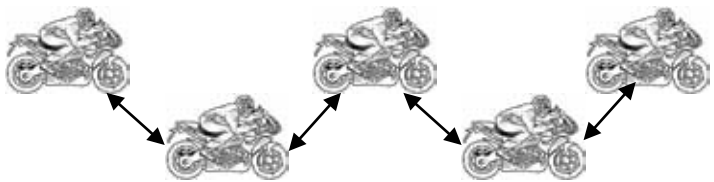
To enable the intercom, hold the Up button for 2 seconds.

Stop Intercom

To disable the intercom, hold the Down button for 2 seconds.

Intercom Operations

New Generation
Mulit-Hop Technology



-Superior voice quality
-Allows large group communication
-Multiplies range through hopping

Mobile Phone Operations

To use the helmet communicator with your mobile phone for the first time, you must first connect them wirelessly by pairing.

Pairing

- To connect the helmet communicator to a mobile phone, hold the Up and Down buttons for 2 seconds. This puts the helmet communicator into paring mode. The status indicator would blink blue and red alternately.
- Next, turn on the mobile phone Bluetooth functions and search for Bluetooth devices. Select 'UCLEAR HBC200' to pair with the desired device.
- When prompted to enter a passcode, enter '0000'.

**Most mobile phones when paired would be automatically connected with both phone and music Bluetooth capabilities.*

After pairing the helmet communicator to your mobile phone, you may now use the helmet communicator to answer your calls or make outgoing calls or listen to music.

Voice Activated Pick Up Calls

- When a call comes to the mobile phone, say 'hello' or 'pick-up' to answer the call OR press the Answer button once.

Reject Calls

- To reject an incoming call or an incorrectly placed outgoing call, hold the Answer button for 2 seconds.

Voice Call

- To activate voice call, hold the Down and Answer buttons for 2 seconds. The accuracy of this function is dependent on the mobile phone.

Mobile Phone Operations

Last Number Redial

•To redial the last number, hold the Up and Answer buttons for 2 seconds. The capability of this function is dependent on the mobile phone used.

3 way calling

•Whilst on a call, if an incoming call comes in, you may answer the call by pressing the Answer button once.

•To swap between 2 concurrent calls, press the Answer button once.

•To end a call during a 3 way call, holding the Answer button for 2 seconds would end the active call. Upon terminating the active call, the call on hold would automatically be the active call.

Music feature

•If the mobile phone supports A2DP/AVRCP profile, user may activate the music by playing it directly from the phone or by controlling the music via the helmet communicator. To operate refer to Music Streaming Operations section. Should the documented steps not work, refer to the phone user manual on how to activate the A2DP/AVRCP feature.

Music Streaming Operations

To use the helmet communicator with your music devices you must connect them wirelessly through Bluetooth pairing. This step is only required for Bluetooth music streaming devices.

Pairing

• To connect the helmet communicator to a Bluetooth music device, hold the Up and Down buttons for 2 seconds. This puts the helmet communicator into pairing mode. The status indicator will blink blue and red alternately.

• Next, put the Bluetooth music device into pairing mode. Both the helmet communicator and the music device should automatically pair together.

After pairing the helmet communicator to a music device, you may use the helmet communicator to wirelessly listen to music stored on the device.

In order to use the helmet communicator to remotely control the music, the music device must have Bluetooth Audio/Video Remote Control capability, AVRCP profile.

Play & Stop

• The Play and Stop command is a toggle function. To play music, press the Answer button 2 times. Pressing the Answer button 2 times while music is playing will stop it.

Fast Forward

• To skip to the next track, press the Up button 2 times.

Backtrack

• To skip to previous track, press the Down button 2 times.